

4/21/90 COLSF  
Colbert 7.4 VI

RECEIVED  
MAY 4 1990  
SUPERFUND BRANCH

**ABC LABORATORIES, INC.  
EAST 4922 UNION AVENUE  
SPOKANE, WA 99219  
509-534-0161**

REPORT TO: Spokane County Dept. of Utilities  
N. 811 Jefferson  
Spokane, WA 99210

LAB NO: 33441-90  
DATE: 4-21-90  
SAMPLE DATE: April 1990

ATTN: Bruce Austin

P.O.#:

DESCRIPTION: Perform Volatile Organic Scan on submitted samples from the wells in the Colbert Landfill area. Analyses performed by methods outlined in proposal of December 8th, 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

This document contains six pages.

Respectfully Submitted,  
ABC LABORATORIES, INC.

  
W.E. Burkhardt  
Manager

USEPA SF



1407803

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities

Lab NO. 33441-90

NAME

(b) (6)

WELL NO.

0273D-1

0273C-3

1573C-13

1073P-2

0273E-2

2373M-1

Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
O-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-trichloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities

Lab NO. 33441-90

NAME

(b) (6)

Travel  
Blank  
4/19/90

WELL NO.

1573C-7

0273D-3

1073K-1

1073K-1  
Confirming

L  
1673H-1

Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	9	9	ND	ND
1,1-Dichloroethylene	ND	ND	8	9	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	114	120	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene Dibromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
O-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2-trichloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

AREA 05-01-89



STAKE	DATE	DESCRIPTION
100	10/1/89	INSTALL WELL
101	10/1/89	INSTALL WELL
102	10/1/89	INSTALL WELL
103	10/1/89	INSTALL WELL
104	10/1/89	INSTALL WELL
105	10/1/89	INSTALL WELL
106	10/1/89	INSTALL WELL
107	10/1/89	INSTALL WELL
108	10/1/89	INSTALL WELL
109	10/1/89	INSTALL WELL
110	10/1/89	INSTALL WELL
111	10/1/89	INSTALL WELL
112	10/1/89	INSTALL WELL
113	10/1/89	INSTALL WELL
114	10/1/89	INSTALL WELL
115	10/1/89	INSTALL WELL
116	10/1/89	INSTALL WELL
117	10/1/89	INSTALL WELL
118	10/1/89	INSTALL WELL
119	10/1/89	INSTALL WELL
120	10/1/89	INSTALL WELL

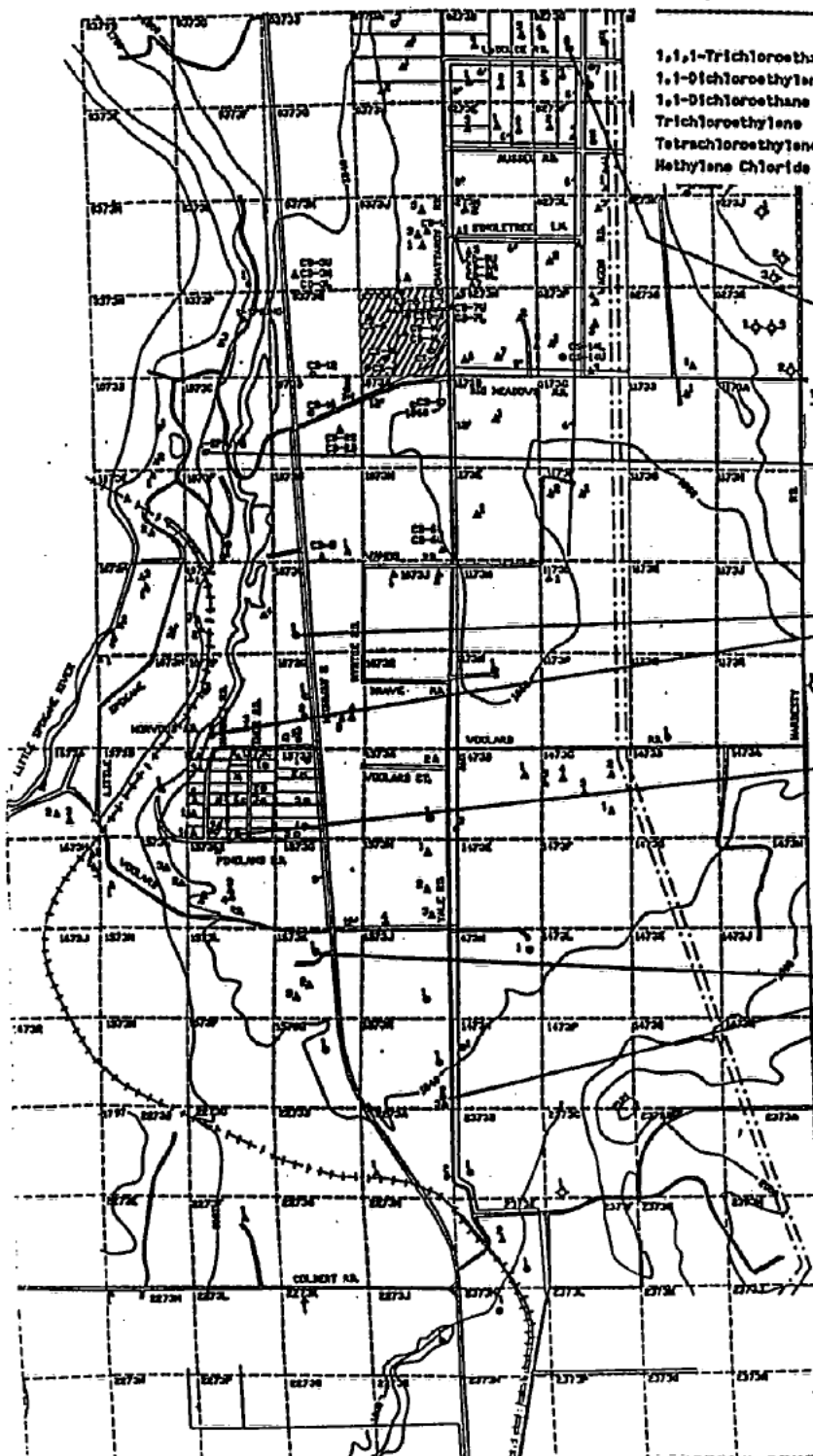
NOTE:  
FOR IDENTIFICATION OF WELLS  
SEE WELL SURVEILLANCE LOGS

PERFORMANCE STANDARDS  
MAXIMUM ALLOWABLE CONTAMINANT CONCENTRATIONS

Health Protection Levels\*

\* Health Protection Levels are not to be exceeded, during operational life of remedial action in effluents from groundwater treatment systems. Permanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

Contaminant	Maximum Concentration parts per billion (ug/l)	Goal
1,1,1-Trichloroethane (TCA)	200.0	MCL
1,1-Dichloroethylene (DCE)	7.0	MCL
1,1-Dichloroethane (DCA)	4000.0	MAD
Trichloroethylene (TCE)	5.0	MCL
Tetrachloroethylene (PCE or TETRA CL)	0.7	10 - 8 cancer risk
Methylene Chloride (MC)	2.5	10 - 8 cancer risk



SHALLOW  
APR 21, 90 # 33441-90 WELLS: 111-TCA 11-DCE 11-DCA TCE TETRAC CHLOROFORM METH CHLOR  
10720-1 10 100 100 100 100 100 100

SHALLOW  
APR 21, 90 # 33441-90 WELLS: 111-TCA 11-DCE 11-DCA TCE TETRAC CHLOROFORM METH CHLOR  
10720-1 10 100 100 100 100 100 100

SHALLOW  
APR 21, 90 # 33441-90 WELLS: 111-TCA 11-DCE 11-DCA TCE TETRAC CHLOROFORM METH CHLOR  
10720-1 10 100 100 100 100 100 100

SHALLOW  
APR 21, 90 # 33441-90 WELLS: 111-TCA 11-DCE 11-DCA TCE TETRAC CHLOROFORM METH CHLOR  
10720-1 10 100 100 100 100 100 100

SHALLOW  
APR 21, 90 # 33441-90 WELLS: 111-TCA 11-DCE 11-DCA TCE TETRAC CHLOROFORM METH CHLOR  
10720-1 10 100 100 100 100 100 100